



## Minnesota Ag News – Crop Weather

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COOPERATING WITH THE MN DEPARTMENT OF AGRICULTURE, NATIONAL WEATHER SERVICE - CHANHASSEN, MN

UNIV. OF MINN. EXTENSION SERVICE, DNR STATE CLIMATOLOGY OFFICE, USDA-FSA, USDA-NRCS, and Local FACs

### SMALL GRAIN HARVEST UNDERWAY

Small grain harvest was underway as warm weather promoted the ripening of small grain crops during the past week, according to USDA, NASS, Minnesota Field Office. As of July 25, spring wheat was one percent harvested, compared with 0 percent last year and 2 percent for the five-year average. Barley was 6 percent harvested, 6 percentage points ahead of last year but 2 points behind average. Oats harvested was 17 percent, 12 points ahead of last year and on pace with average. Other harvesting activity included potatoes and sweet corn with 1 and 8 percent harvested, respectively.

Statewide average precipitation was over one half-inch above normal. Heavy rains on Thursday fell across the south, exceeding 3 inches in some areas. Topsoil moisture supplies were rated 16 percent surplus, up from 15 percent last week. Statewide 5 days were rated suitable for fieldwork. Some producers in the central region reported isolated hail damage from recent storms. Producers continued to monitor soybean aphid populations.

Eighty-five percent of corn was at or beyond the silking stage, 45 points above last year and 18 points ahead of average. Eighty percent of soybeans were blooming and 25 percent were setting pods, 14 points ahead of last year and 1 point ahead of average.

Crop conditions held steady as adequate heat and soil moisture were beneficial for crop growth and maturity. Corn was rated in 53 percent good and 36 percent excellent condition, while soybeans were rated in 58 percent good and 27 percent excellent condition. Other field crop conditions generally ranged from good to excellent; however, canola was rated 26 percent fair and 41 percent good. Pasture and range condition was rated 1 percent poor, 10 percent fair, 66 percent good, and 23 percent excellent.

#### Days Suitable for Fieldwork: 5.0

	Very Short	Short	Adequate	Surplus
	----- Percent -----			
Topsoil Moisture	0	3	81	16

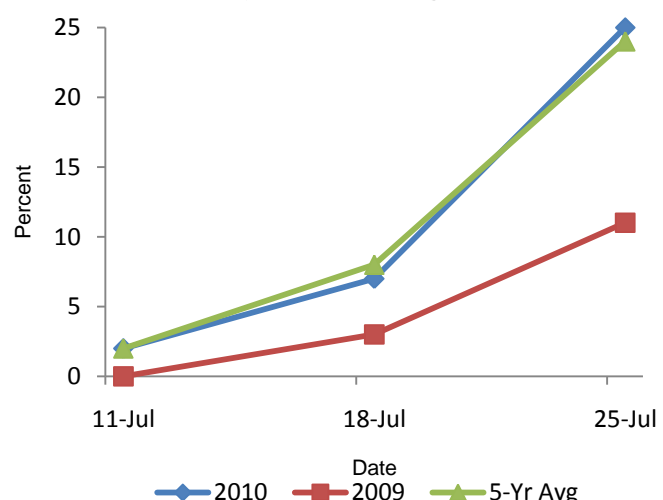
#### Crop Progress as of July 25, 2010

Crop	Stage of Development	This Week	Last Week	Last Year	5 Yr Avg
		----- Percent -----			
Corn	Silking	85	59	40	67
Corn	Milk	11	0	2	10
Corn	Dough	0	0	0	1
Soybeans	Blooming	80	63	60	77
Soybeans	Setting Pods	25	7	11	24
Spring Wheat	Ripening	83	67	23	57
Spring Wheat	Harvested	1	0	0	2
Barley	Ripening	89	69	25	66
Barley	Harvested	6	2	0	8
Oats	Ripening	93	80	58	77
Oats	Harvested	17	6	5	17
Potatoes	Harvested	1	NA	0	0
Sweet Corn	Harvested	8	1	1	4

#### Condition as of July 25, 2010

	Very Poor	Poor	Fair	Good	Exc
----- Percent -----					
Pasture	0	1	10	66	23
Oats	1	2	13	60	24
Spring Wheat	1	2	9	55	33
Barley	1	4	13	46	36
Sugarbeets	1	1	11	60	27
Corn	0	2	9	53	36
Potatoes	0	0	5	61	34
Soybeans	1	2	12	58	27
Canola	6	13	26	41	14
Sunflowers	2	2	14	66	16
Dry Beans	0	2	12	70	16

#### Soybeans Setting Pods



The following links provide further weather-related information and maps for Minnesota:

Minnesota Climatology Working Group provides statewide precipitation maps for the previous week:  
<http://climate.umn.edu/doc/weekmap.asp>

National Weather Service's Minnesota Data:  
<http://www.nws.noaa.gov/view/states.php?state=MN>

PRECIPITATION AND TEMPERATURES FOR THE WEEK ENDING July 25, 2010:  
Temperatures averaged from 1.3 degrees below normal in the West Central, Southwest Districts to 1.9 degrees above normal in the Northeast District. Extremes: 46 degrees in Hibbing; 98 degrees in Browns Valley. Average precipitation ranged from 0.53 inch below normal in the East Central District to 2.28 inches above normal in the South Central District. Greatest weekly total of 3.65 inches was recorded in Winnebago.

For a map of Minnesota's precipitation, please see the Minnesota Climatology Group's website; <http://climate.umn.edu/doc/weekmap.asp>.

Precipitation and Temperature Summary for 7/19/2010 through 7/25/2010

	Temperature				Precipitation				G D D	
	High	Low	Week Ave	Depart from Norm	Week Total	Depart Past Week	Four Since Weeks	From Norm 4/1	Since April 23	Depart from Norm
<u>NW DIST 1</u>										
Crookston	80	54	68.0	-2.0	.91	.24	-.27	2.52	1355	53
Itasca	79	52	66.6	-.0	.91	.06	-1.11	.30	1188	133
Moorhead	81	55	69.7	-1.5	.47	-.14	-.30	.97	1461	97
Warroad	82	55	68.1	.3	2.49	1.70	1.45	4.77	1101	-19
<u>NC DIST 2</u>										
Grand Rapids	83	53	68.9	1.0	1.16	.16	.53	.92	1247	102
Intl. Falls	81	49	67.4	.8	1.09	.38	5.15	4.65	1092	21
<u>NE DIST 3</u>										
Duluth	81	54	68.5	2.3	.39	-.54	-1.14	1.62	1108	141
Grand Marais	86	55	66.6	4.7	.45	-.29	.18	-.11	728	98
Hibbing	83	46	65.2	-1.3	.80	-.24	-.21	-1.09	1135	104
<u>WC DIST 4</u>										
Alexandria	83	57	70.4	-.3	1.44	.75	1.71	-.82	1378	72
Browns Valley	98	53	70.4	-2.5	.43	-.33	-1.02	-.18	1356	-93
Canby	85	57	71.2	-2.5	1.82	1.12	.22	.60	1490	-29
Dalton	82	61	72.6	1.8	.39	-.33	.02	-1.18	1430	85
Montevideo	84	57	69.7	-2.6	1.05	.32	.04	-.14	1394	-54
Morris	84	53	70.8	-.7	.66	-.21	-.66	-1.63	1392	-22
Wheaton	84	58	70.4	-2.1	.55	-.10	-.77	-1.94	1409	-12
<u>CENT DIST 5</u>										
Becker	86	57	72.0	1.4	.57	-.36	-1.53	3.20	1501	154
Collegeville	86	59	72.5	-.2	.54	-.23	-1.80	-2.12	1531	52
Hutchinson	89	59	72.8	.3	1.06	.23	.05	2.81	1531	49
Melrose	87	50	69.8	-1.9	1.23	.44	.28	-.86	1340	-55
Olivia	92	49	68.2	-3.4	1.10	.35	-.22	1.15	1369	-80
St. Cloud	86	55	70.6	.3	.57	-.13	-.72	-1.52	1430	126
Staples	82	55	69.6	1.6	2.26	1.48	1.27	.81	1314	141
Wadena	80	52	67.6	-.4	0	-.78	.47	.54	1220	48
Willmar	84	57	71.1	-.6	.36	-.41	.09	3.47	1487	53
<u>EC DIST 6</u>										
Aitkin	83	54	69.5	2.3	.30	-.74	-1.44	-1.96	1266	163
Forest Lake	88	59	71.8	.6	.25	-.76	2.22	2.90	1499	101
Hinckley	82	53	67.4	-1.0	.31	-.71	-.27	2.88	1183	26
MSP Airport	88	64	74.4	.7	.79	-.10	-.98	.71	1686	161
St. Paul - UofM	86	60	72.0	-1.1	.62	-.34	.85	.27	1520	26
<u>SW DIST 7</u>										
Lamberton	85	56	71.4	-.9	2.28	1.49	-.11	1.21	1597	88
Marshall	86	59	71.5	-1.6	2.76	1.98	2.02	4.34	1507	-9
Pipestone	84	55	70.5	-1.6	1.87	1.16	1.45	5.38	1394	-30
Redwood Falls	86	57	72.4	-1.4	2.00	1.17	-.43	3.28	1581	-10
Worthington	84	56	71.2	-.1	1.78	1.03	.15	2.25	1483	86
<u>SC DIST 8</u>										
Faribault	86	60	72.1	.4	3.27	2.30	.90	1.60	1542	124
Mankato	85	59	72.1	-.3	2.72	1.80	.67	3.77	1514	30
Waseca	85	57	71.3	-.3	3.29	2.27	1.74	5.46	1525	68
Winnebago	86	59	73.2	.8	3.65	2.73	3.01	4.24	1598	90
<u>SE DIST 9</u>										
Preston	90	58	73.5	2.8	2.68	1.62	.36	4.38	1558	205
Red Wing	88	64	73.4	.8	2.45	1.50	.10	2.60	1594	129
Rochester	85	51	71.6	1.2	1.93	.88	.00	1.18	1512	168
Rosemount	85	60	71.6	.3	3.02	1.97	1.93	3.15	1504	101
Winona	87	55	70.6	-2.2	.37	-.58	.80	3.91	1494	3

Corn growing degree days (GDD) are calculated by subtracting a 50 degree base temperature from the average of the maximum and minimum temperature for the day. The daily maximum is limited to 86 degrees and minimum of 50 degrees.

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